

FIG. 1

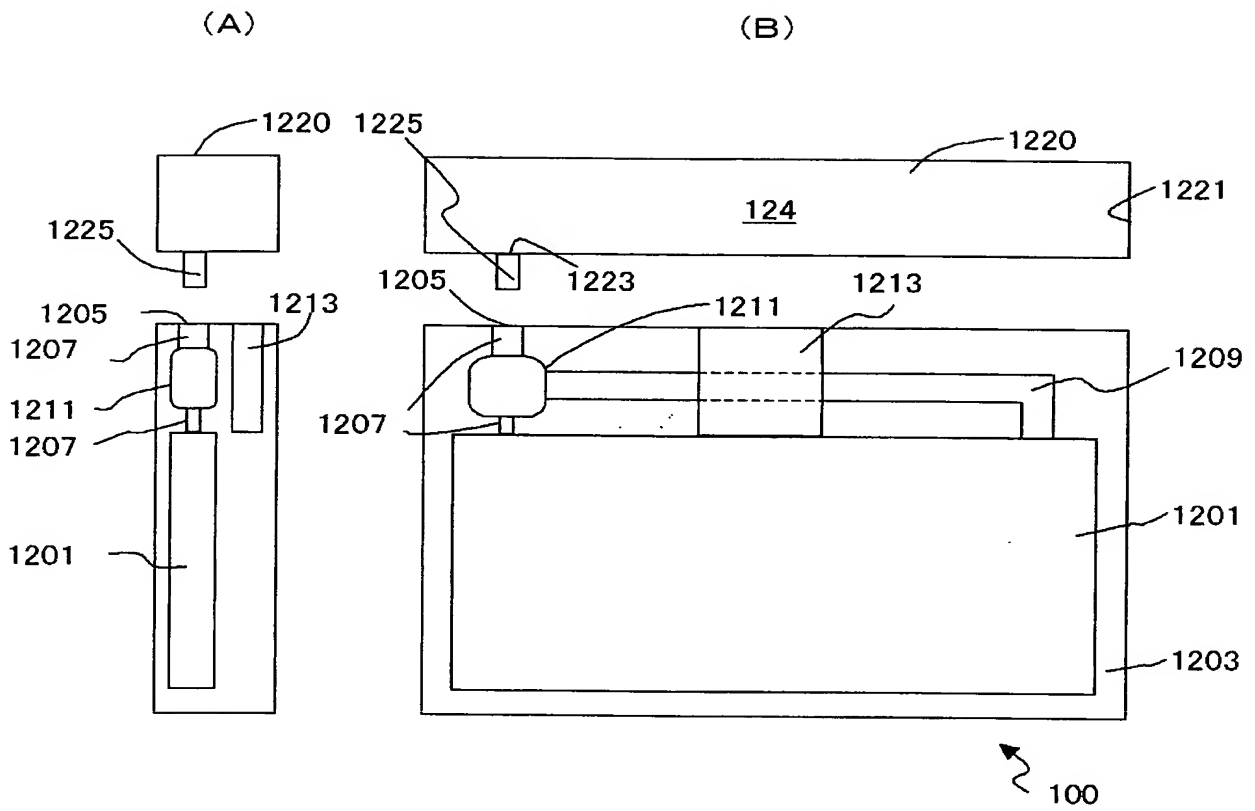


FIG. 2

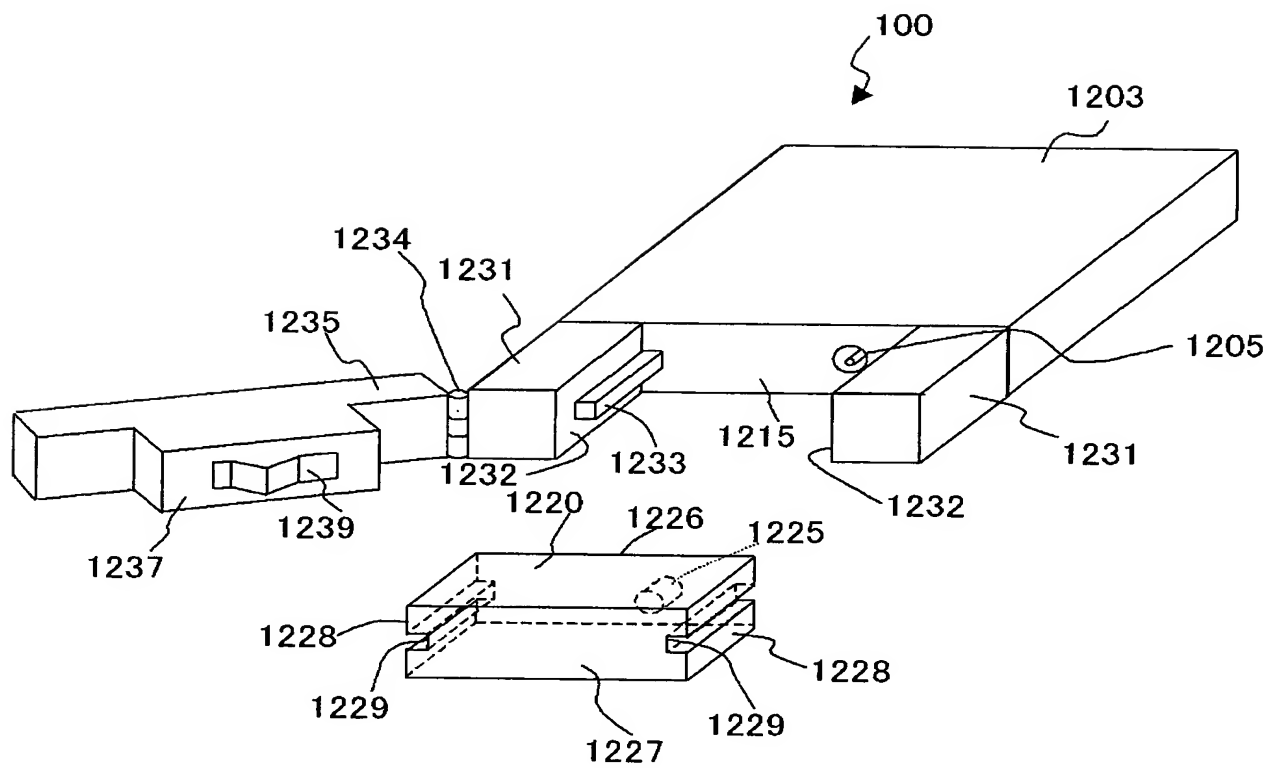


FIG. 3

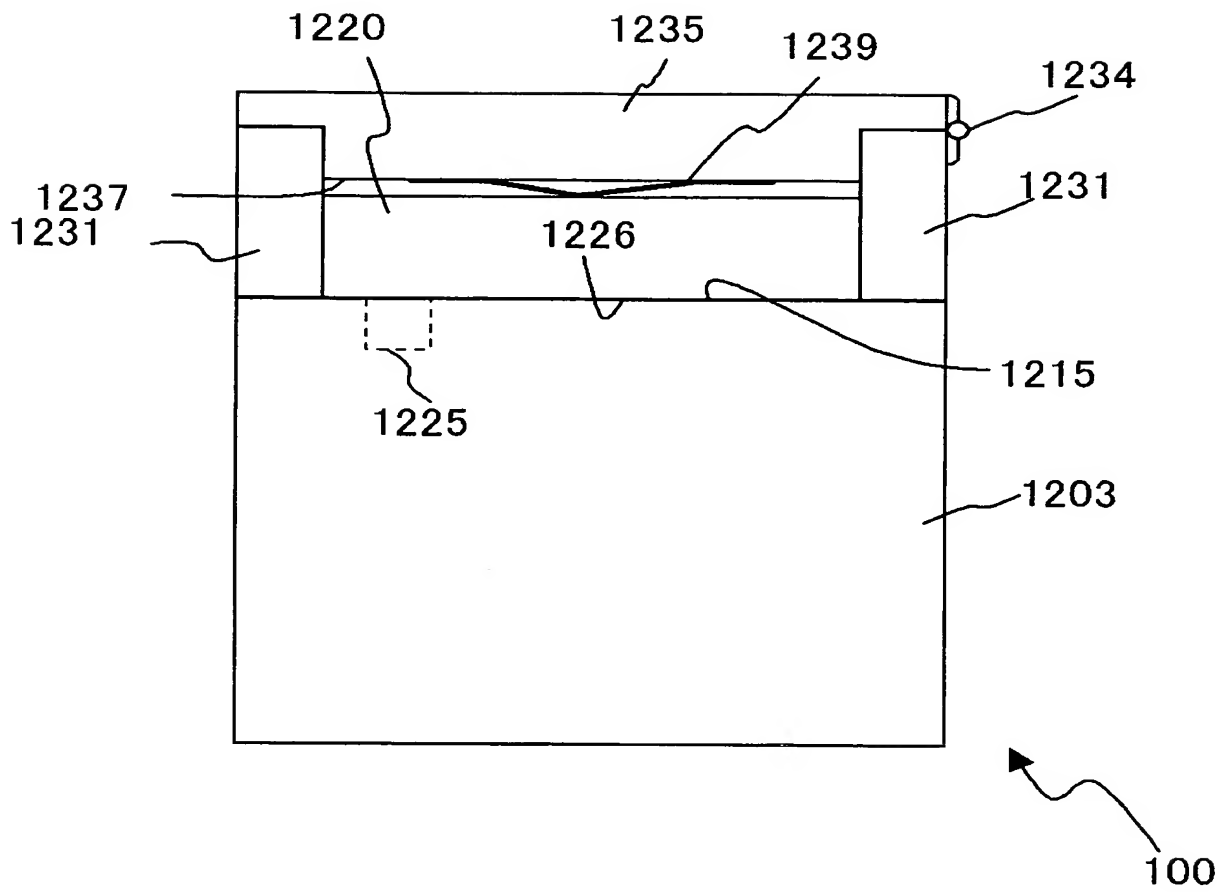


FIG. 4

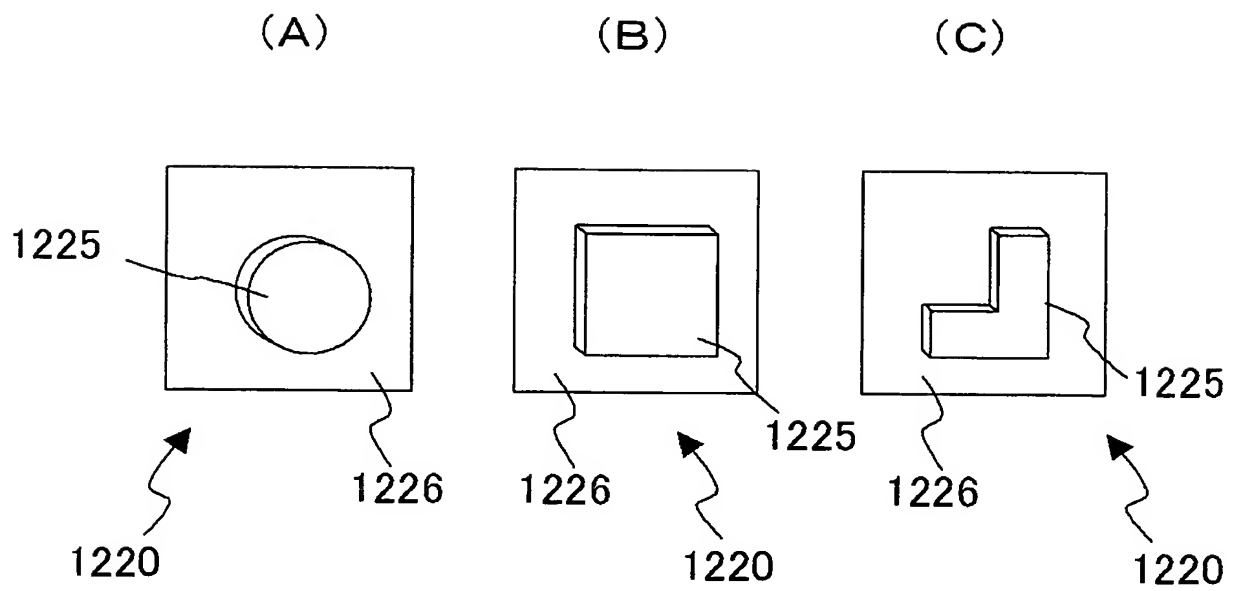
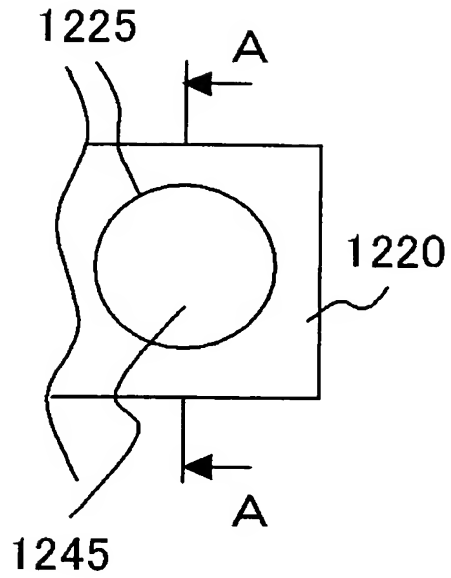
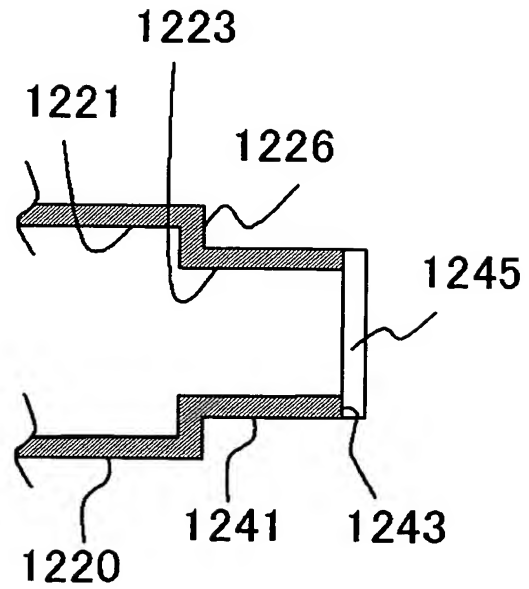


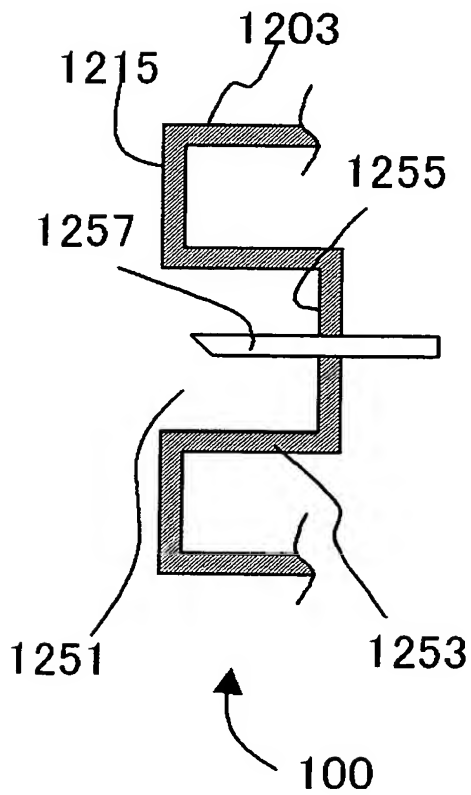
FIG. 5 (A)



(B)



(C)



(D)

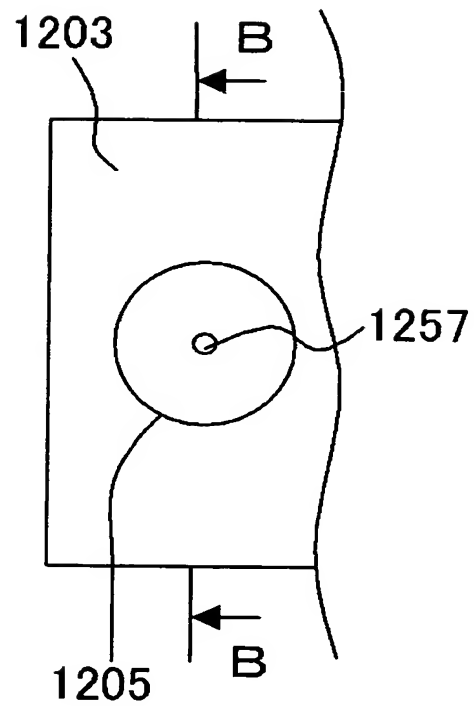


FIG. 6

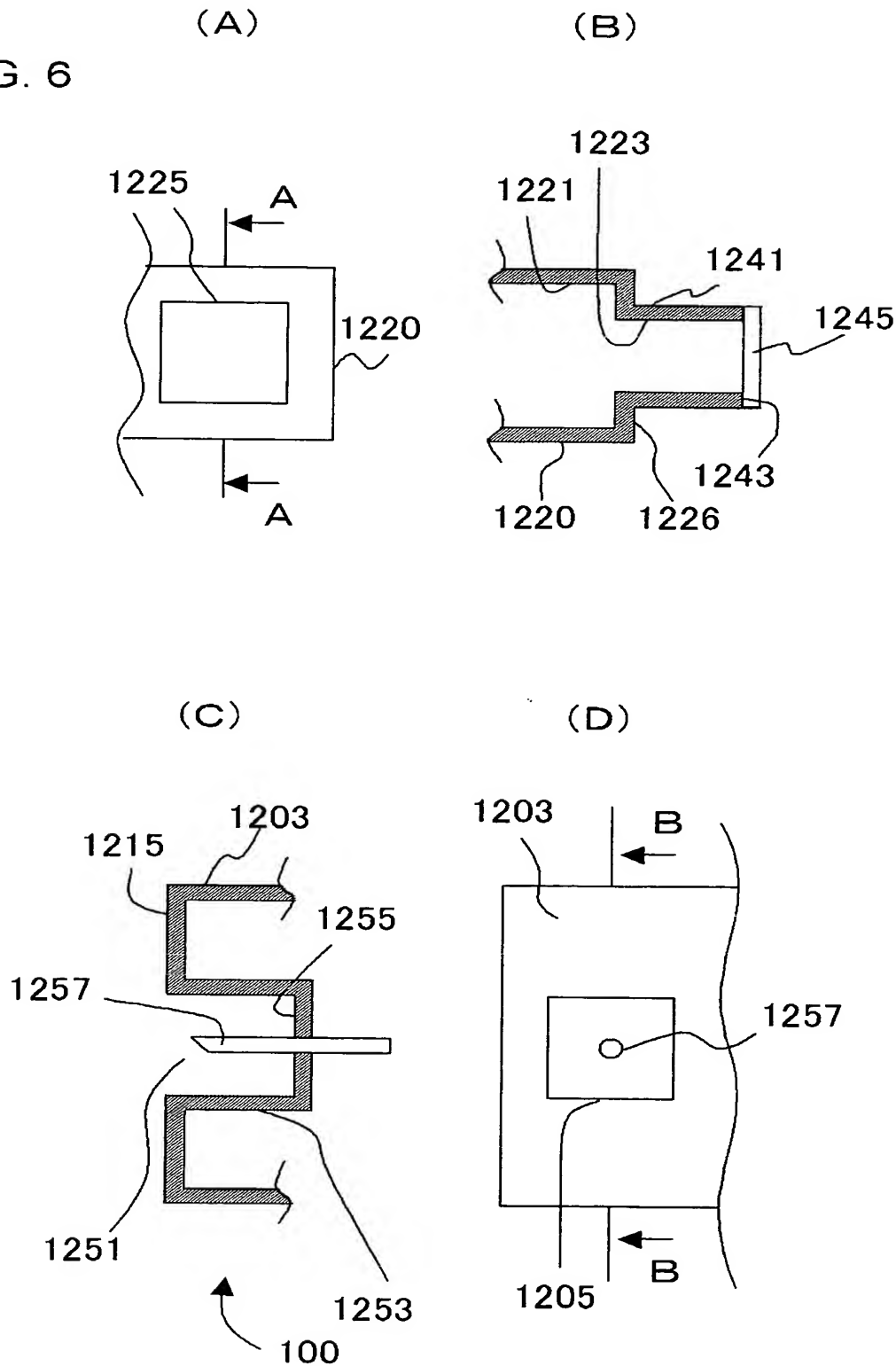


FIG. 7

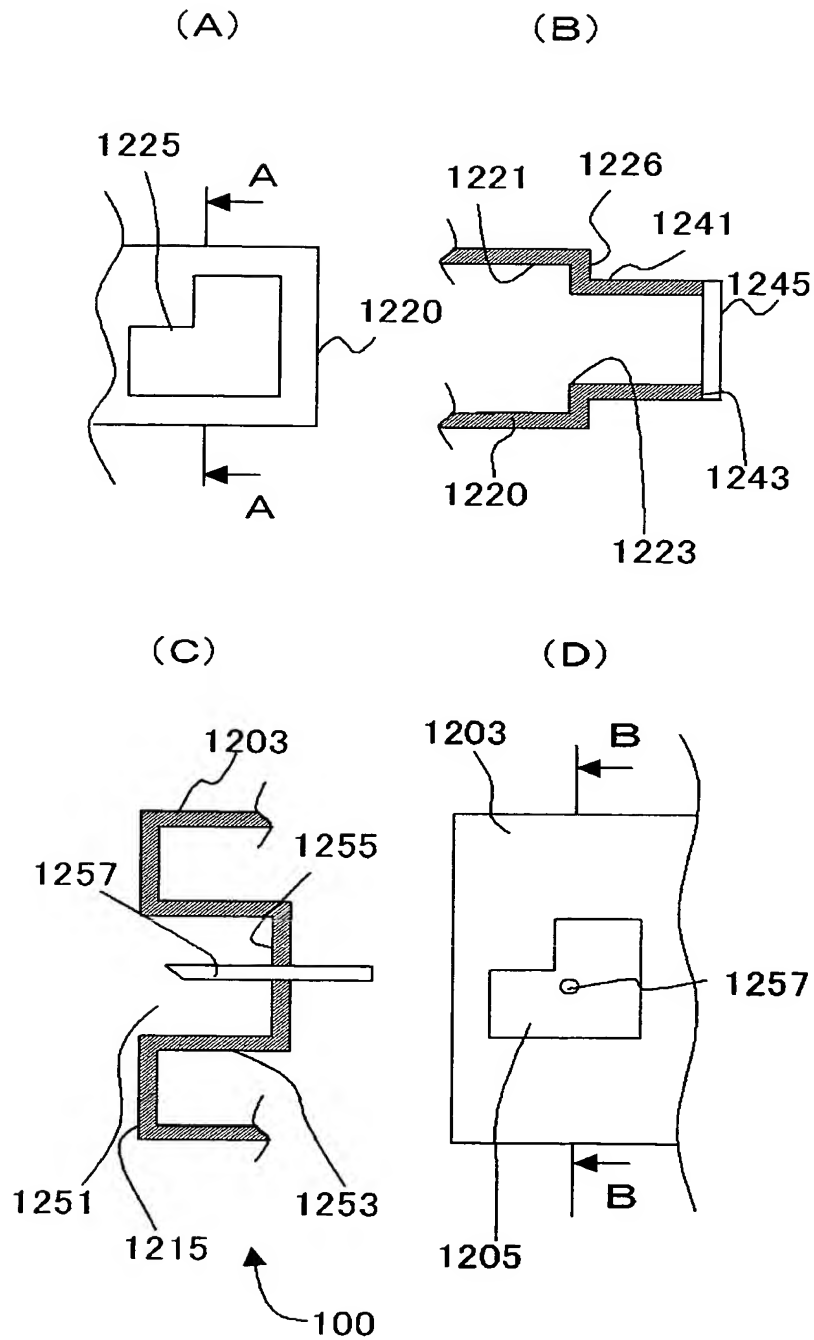


FIG. 8

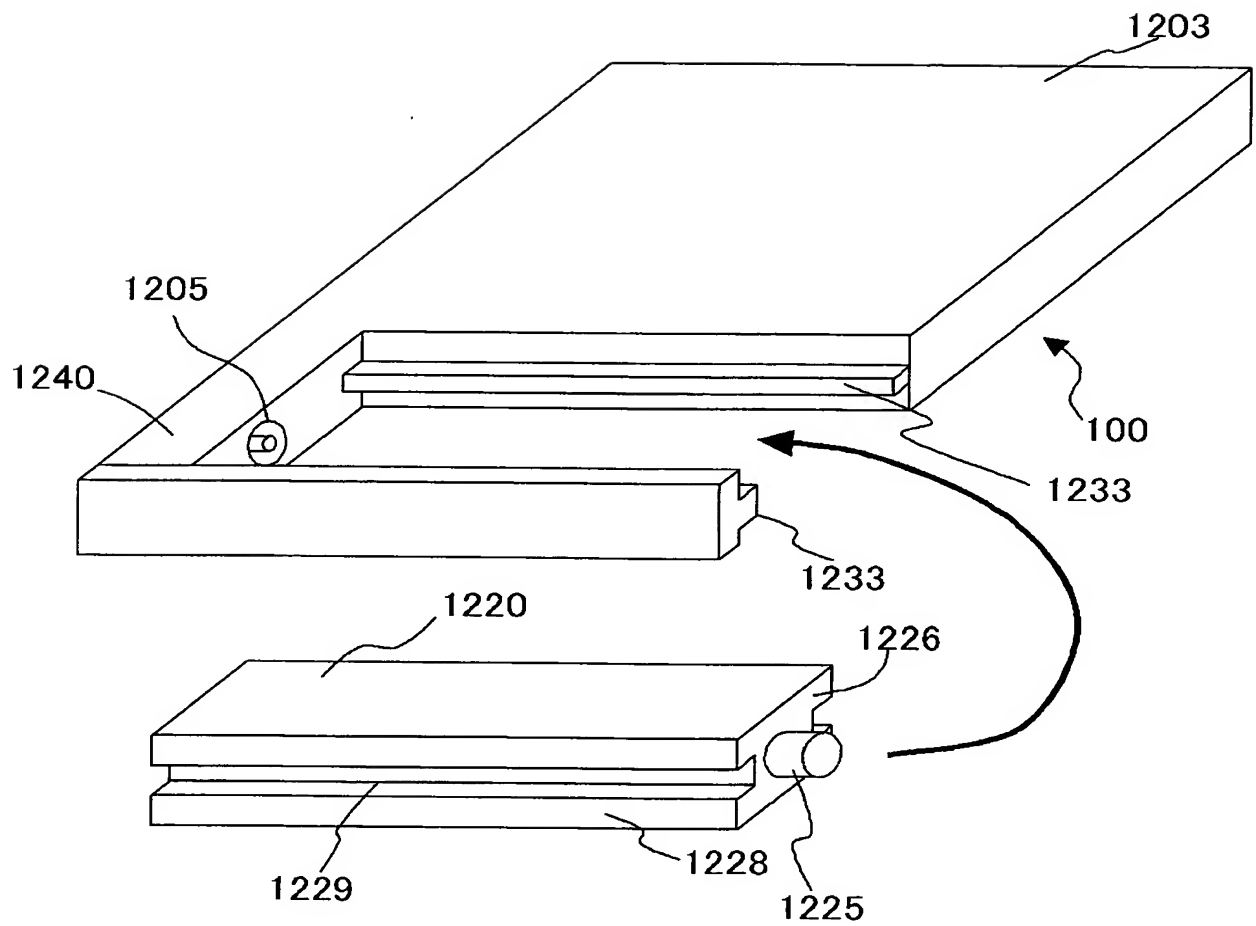


FIG. 9

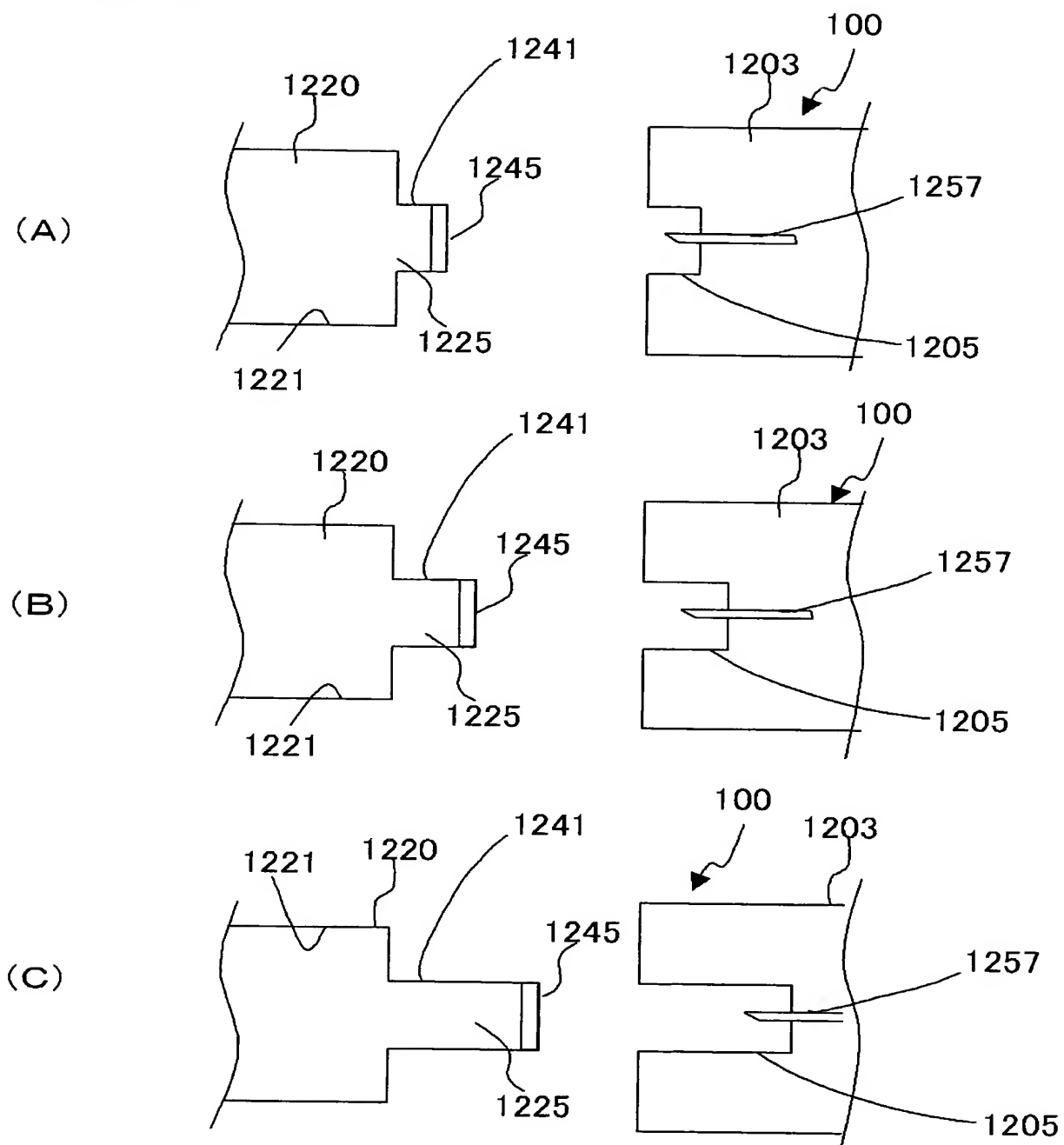


FIG. 10

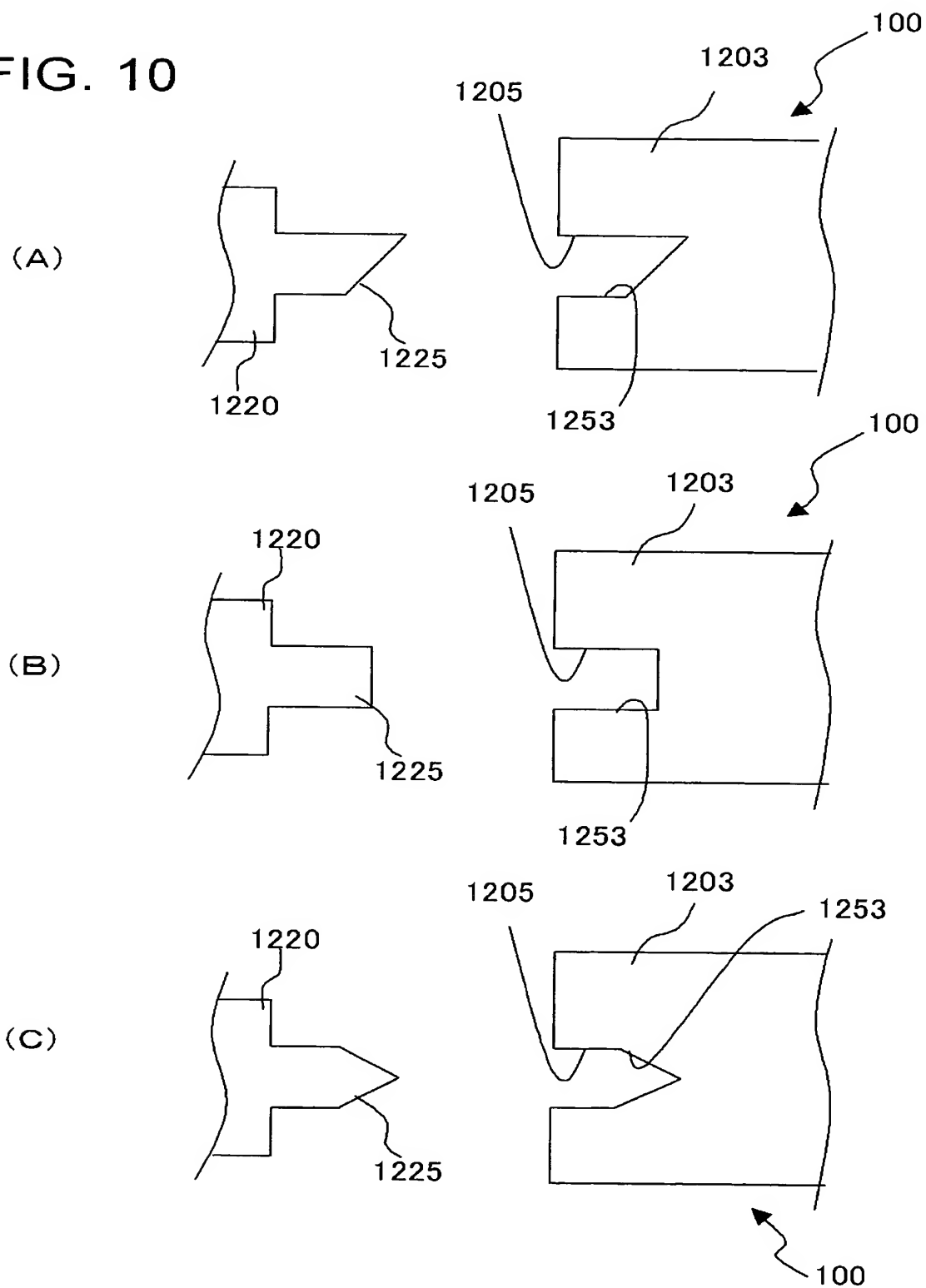


FIG. 11

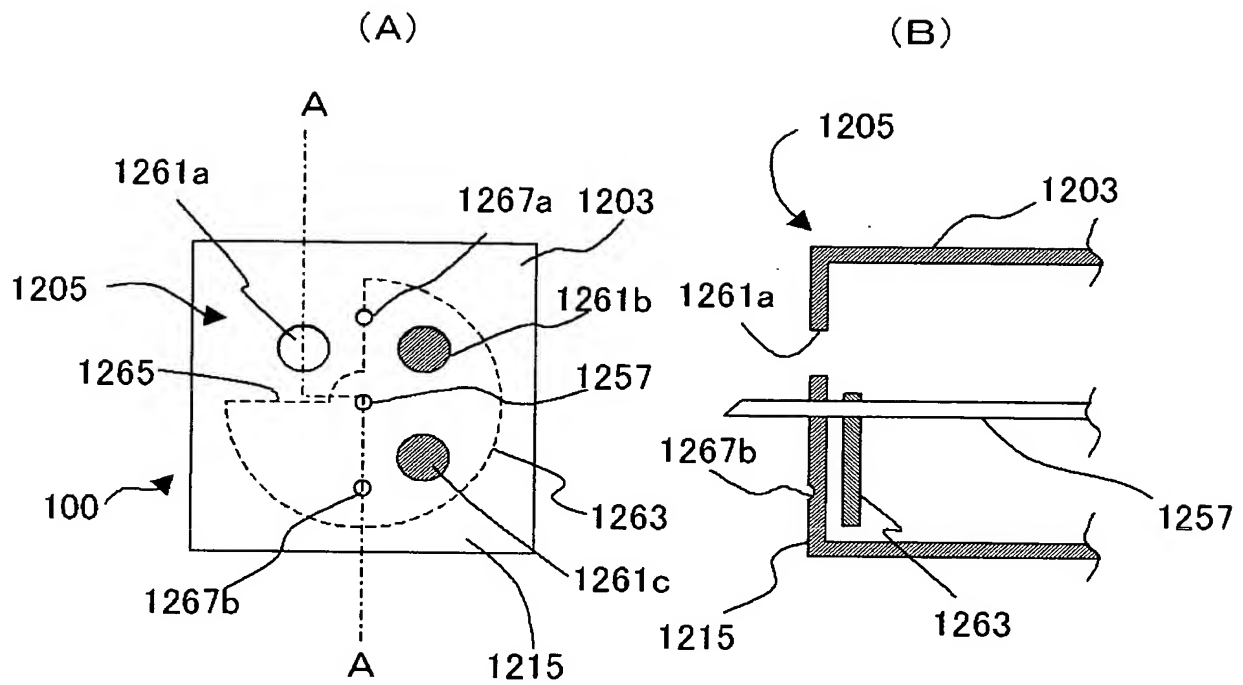


FIG. 12

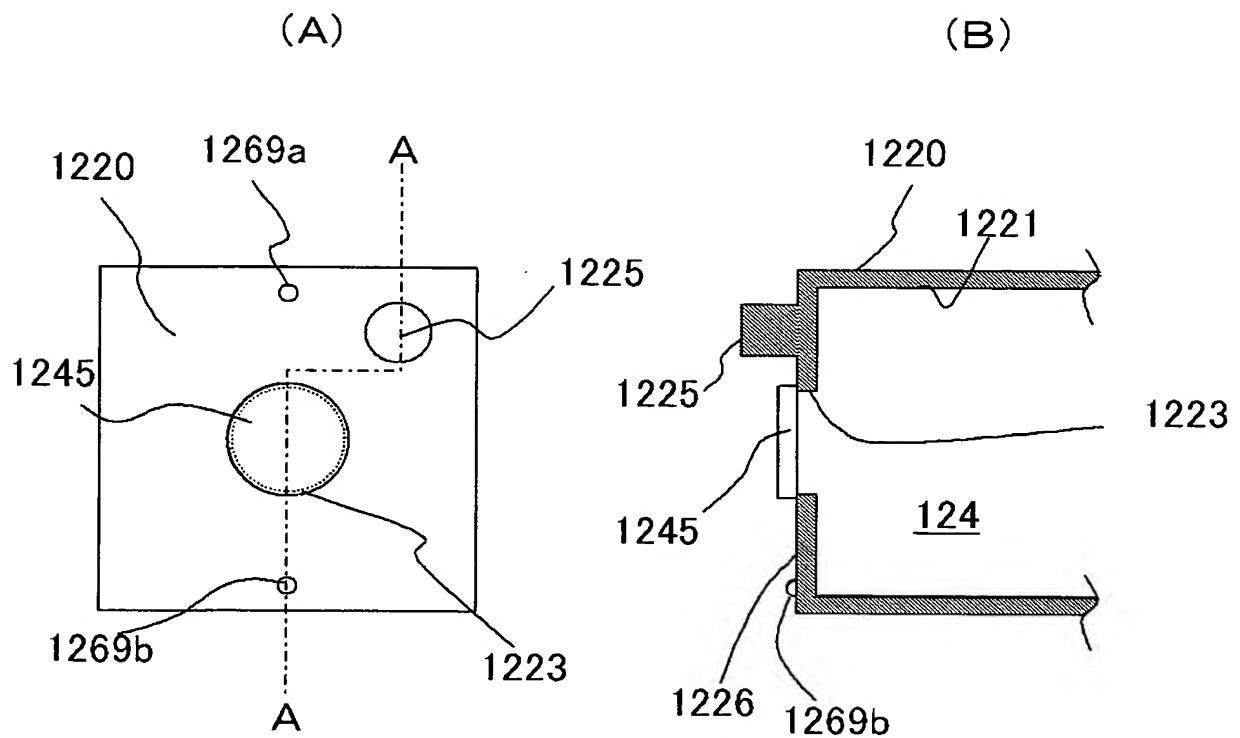


FIG. 13

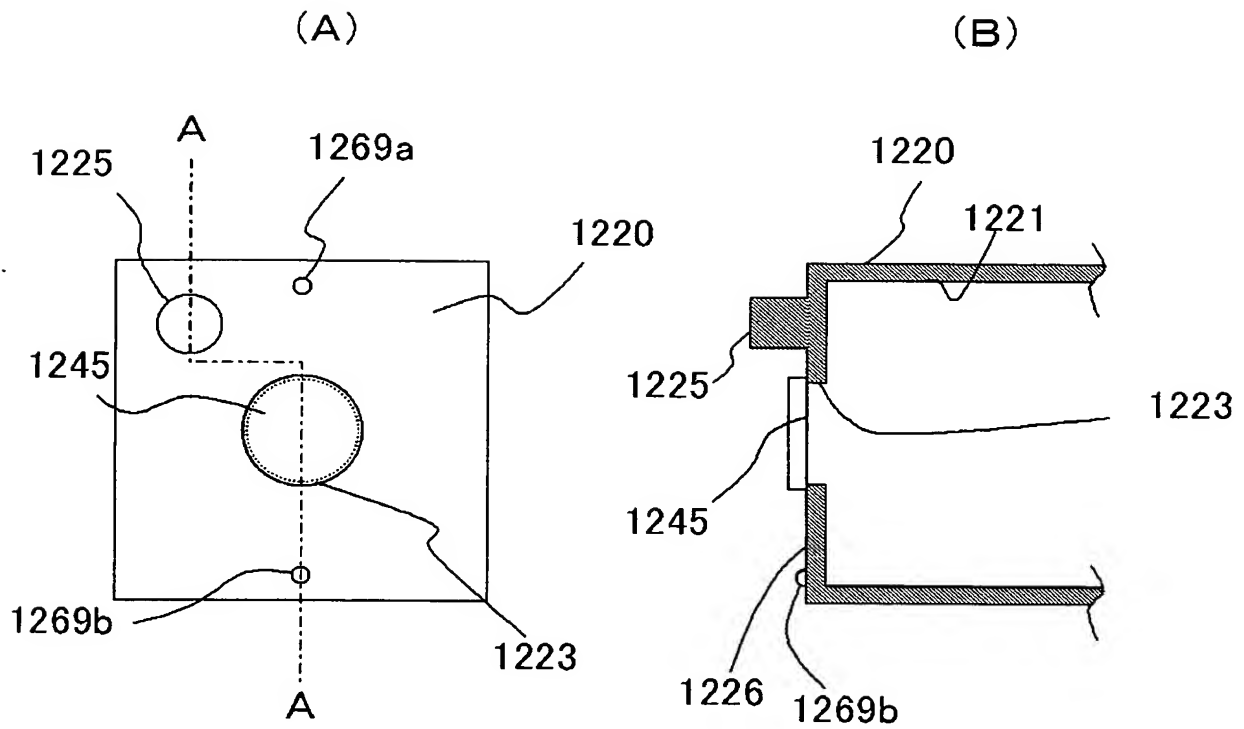
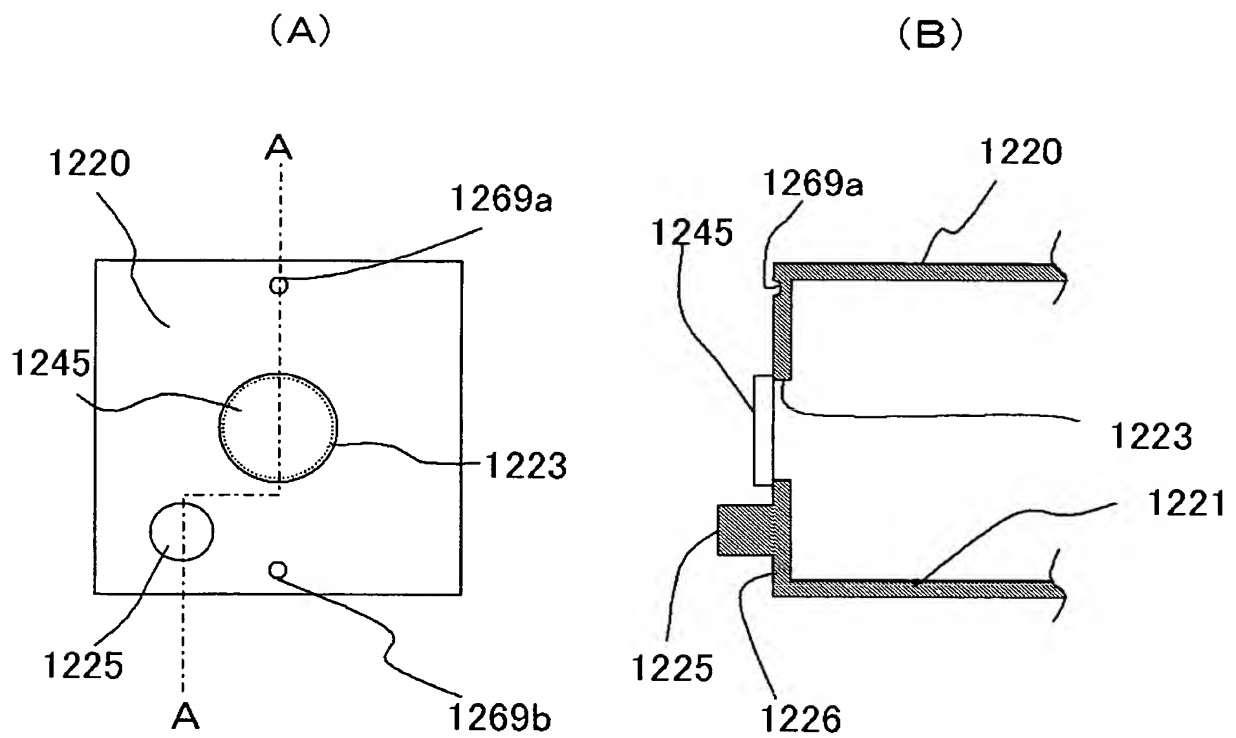


FIG. 14



This cross-sectional view shows a central channel 1203. Above the channel is a gate structure 1205, and below is another gate structure 1207. A layer 1215 is positioned above the channel, and a layer 1220 is positioned below it. A layer 1221 is located between the channel and the lower gate structure 1207. A layer 1223 is on the left side of the channel, and a layer 1225 is on the right side. A layer 1226 is on the left side of the channel, and a layer 1245 is on the right side. A layer 1257 is on the right side of the channel. A layer 1261a is on the right side of the channel. The entire structure is labeled 100.

FIG. 16

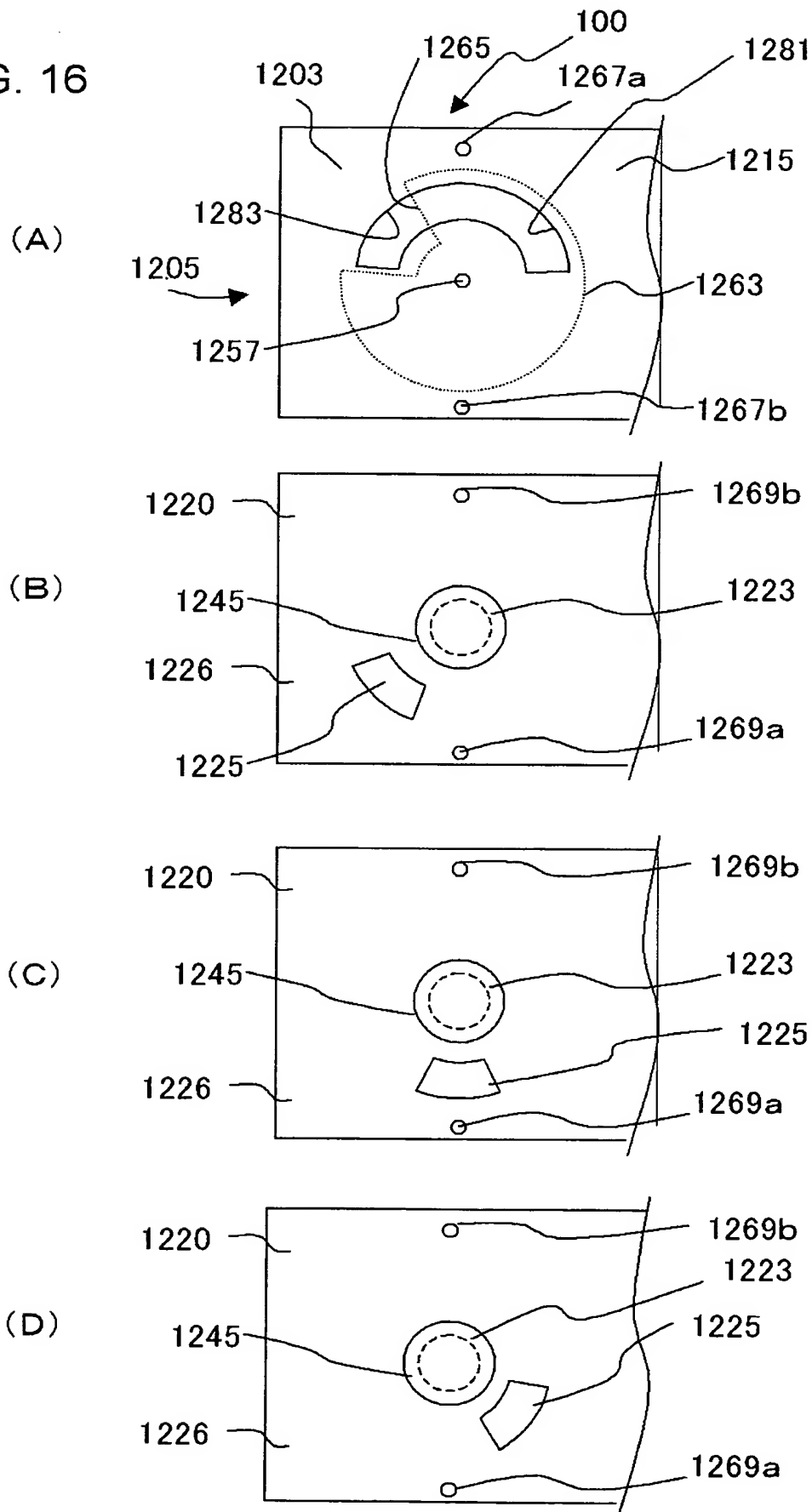


FIG. 17

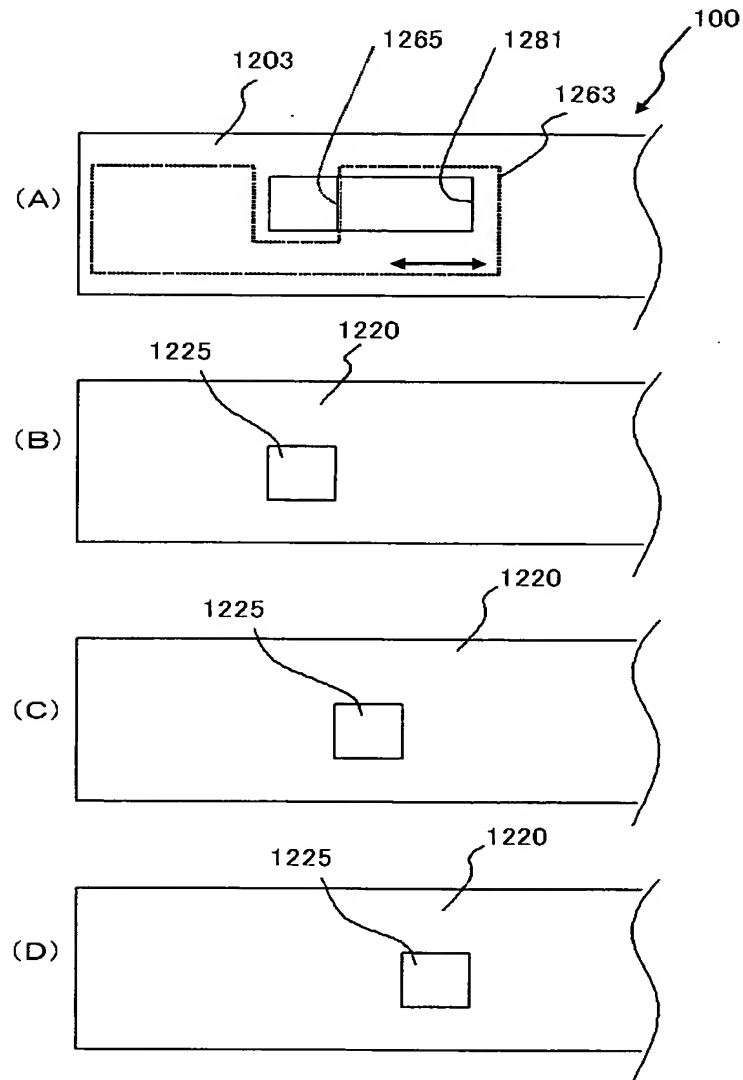


FIG. 18

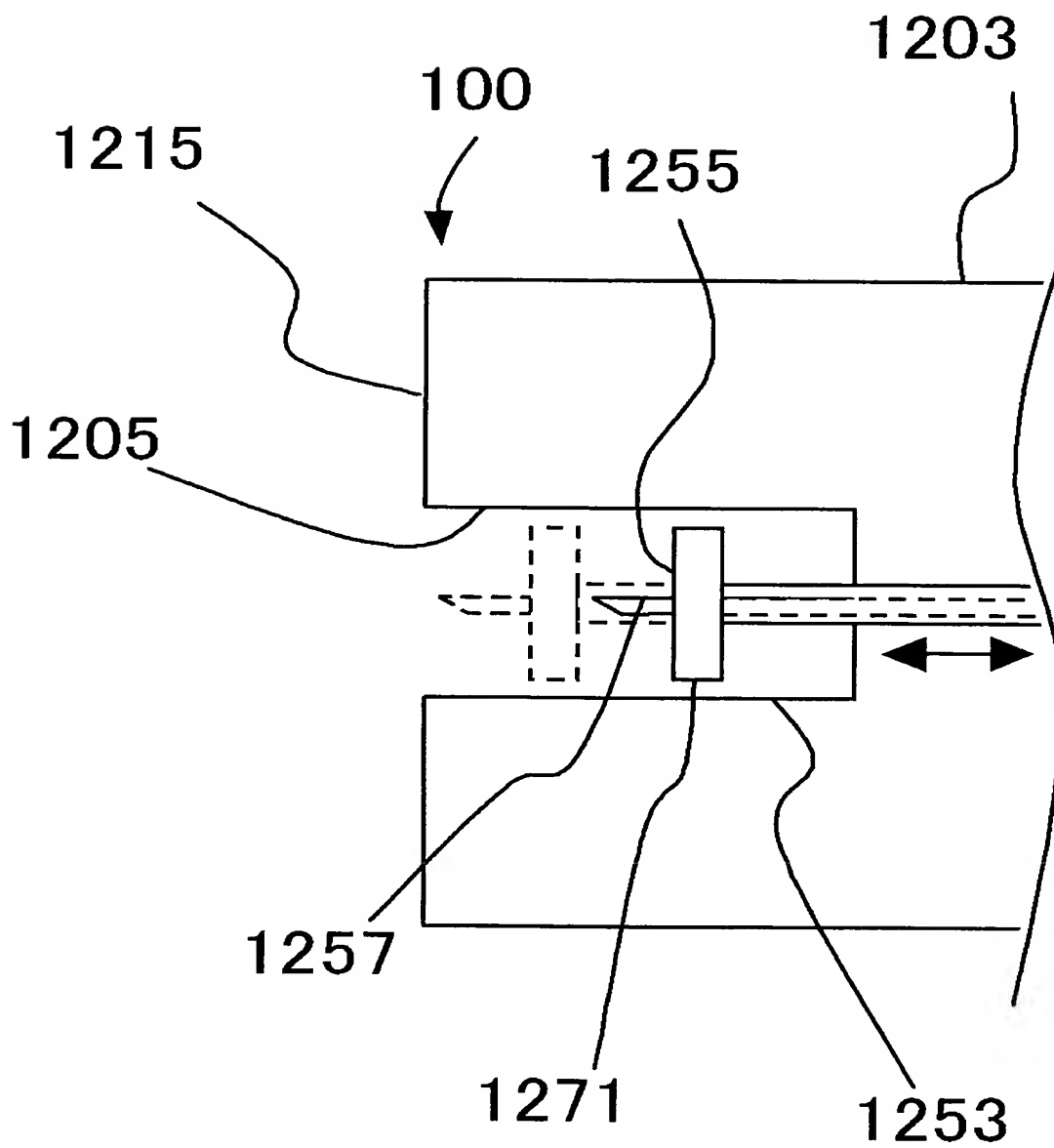


FIG. 19

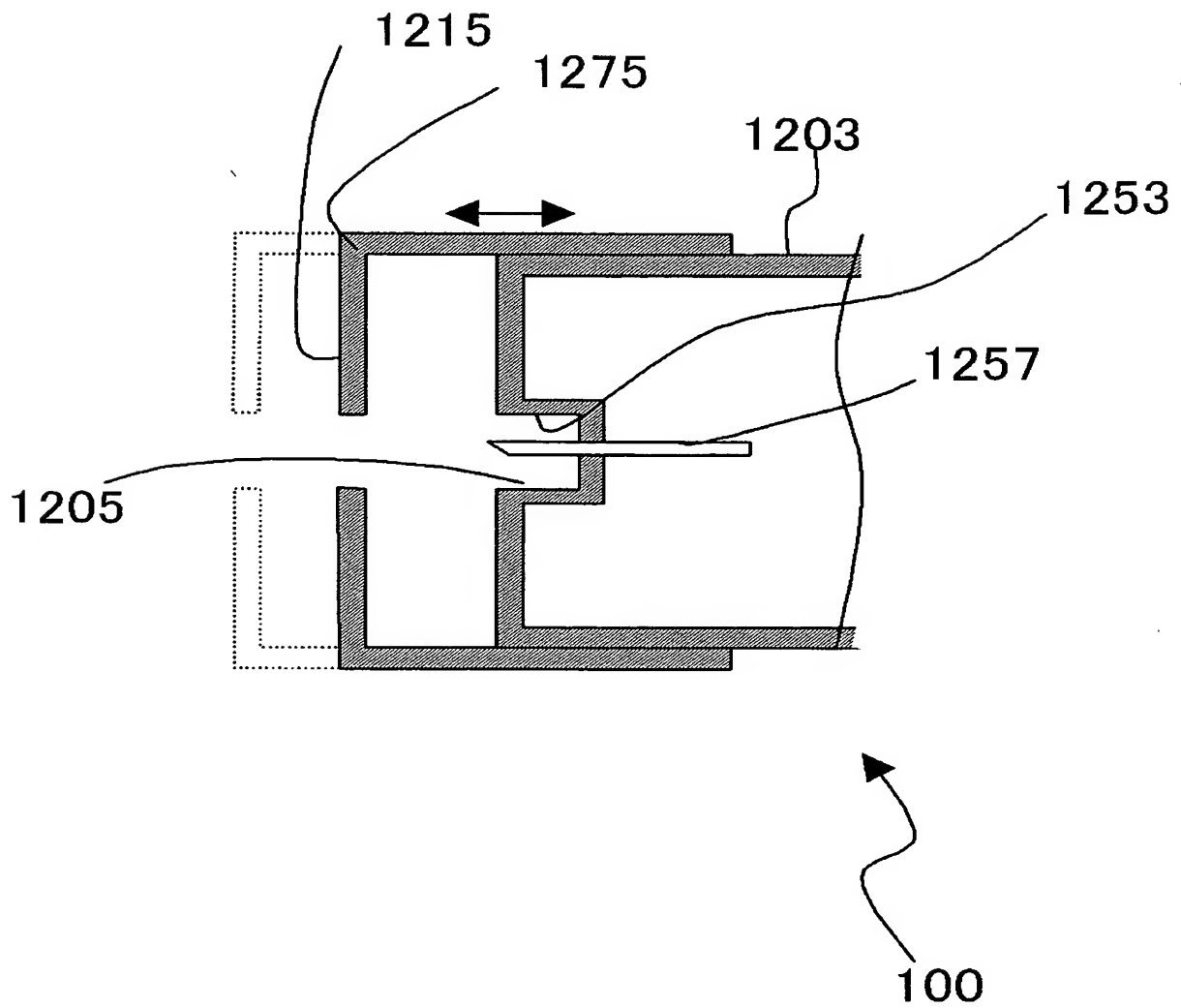


FIG. 20

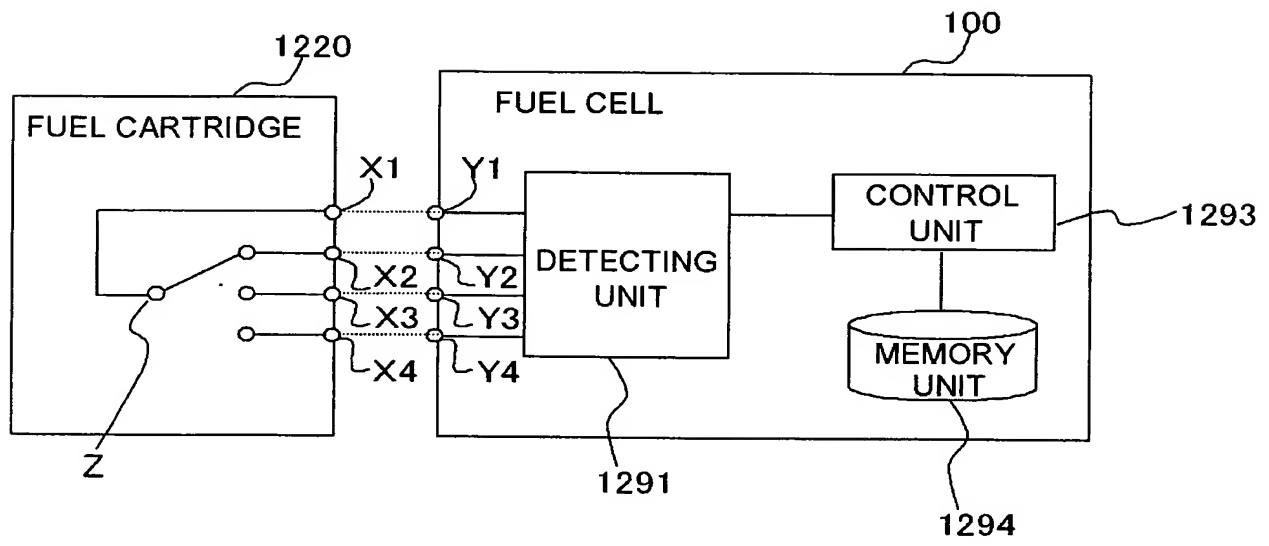


FIG. 21

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| CONNECTING TERMINAL | TYPES | |
|---------------------|---------------|-----|
| Y2 | CONCENTRATION | 10% |
| Y3 | CONCENTRATION | 30% |
| Y4 | CONCENTRATION | 50% |
| ⋮ | ⋮ | ⋮ |

FIG. 22

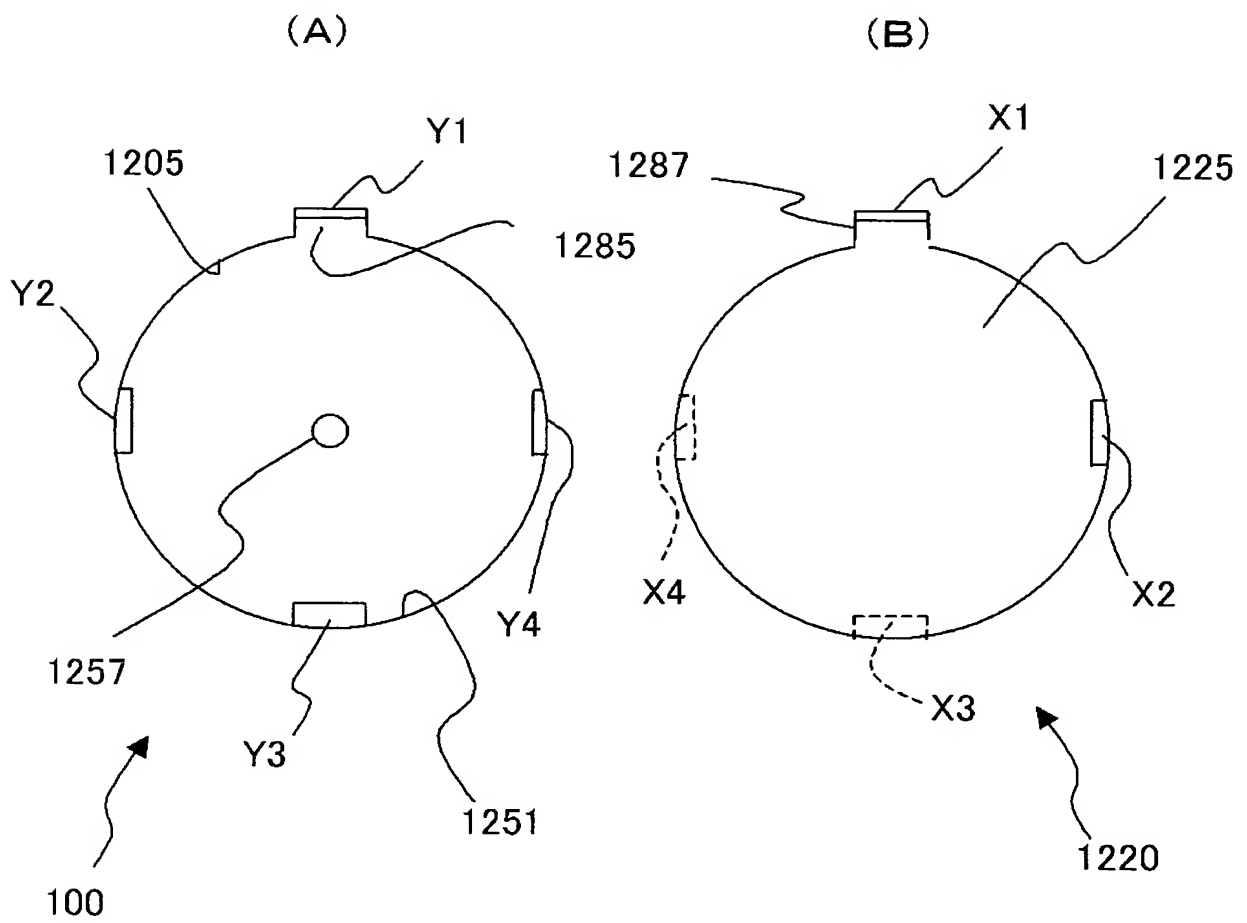


FIG. 23

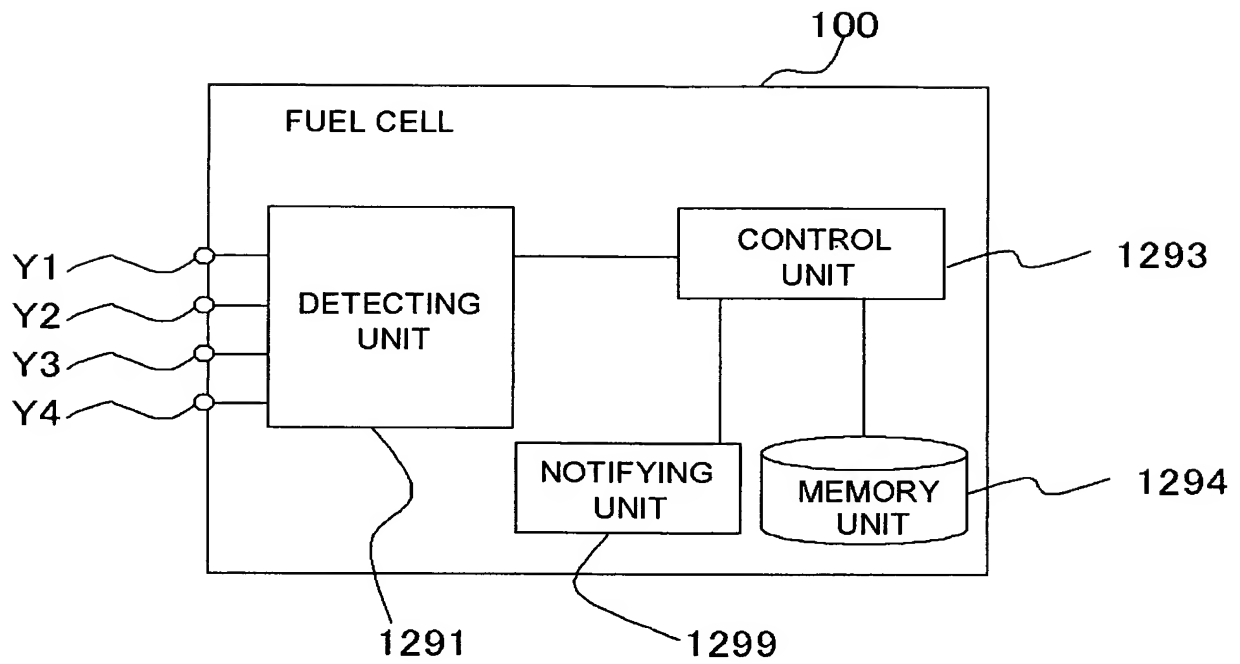
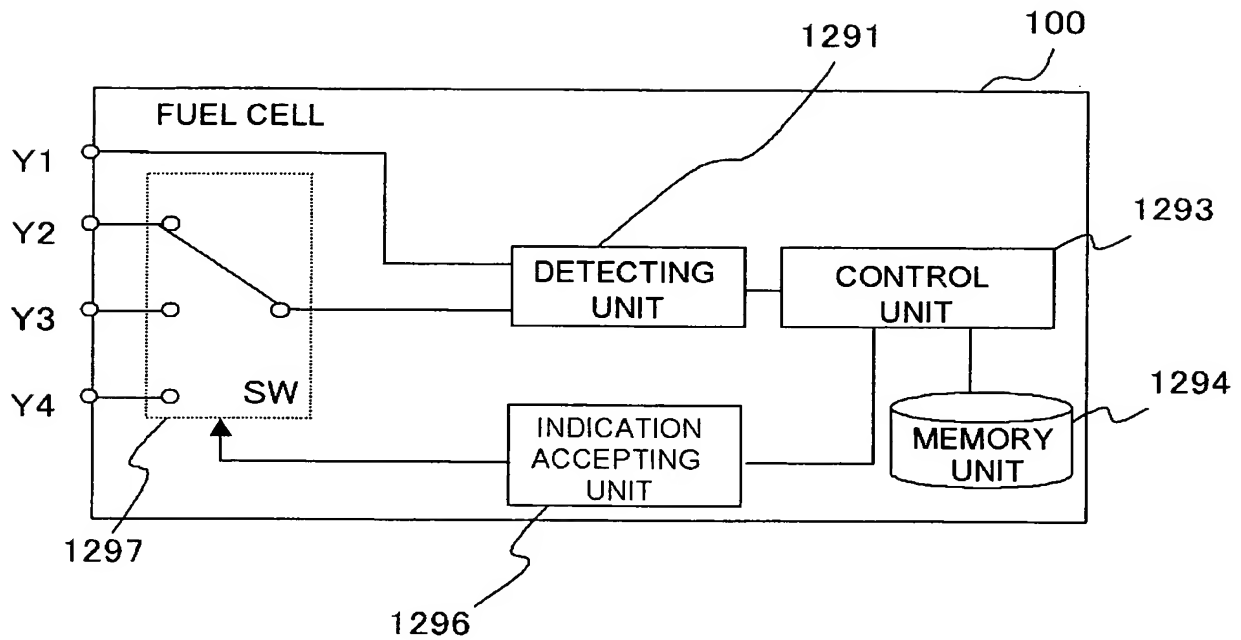


FIG. 24



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FIG. 25

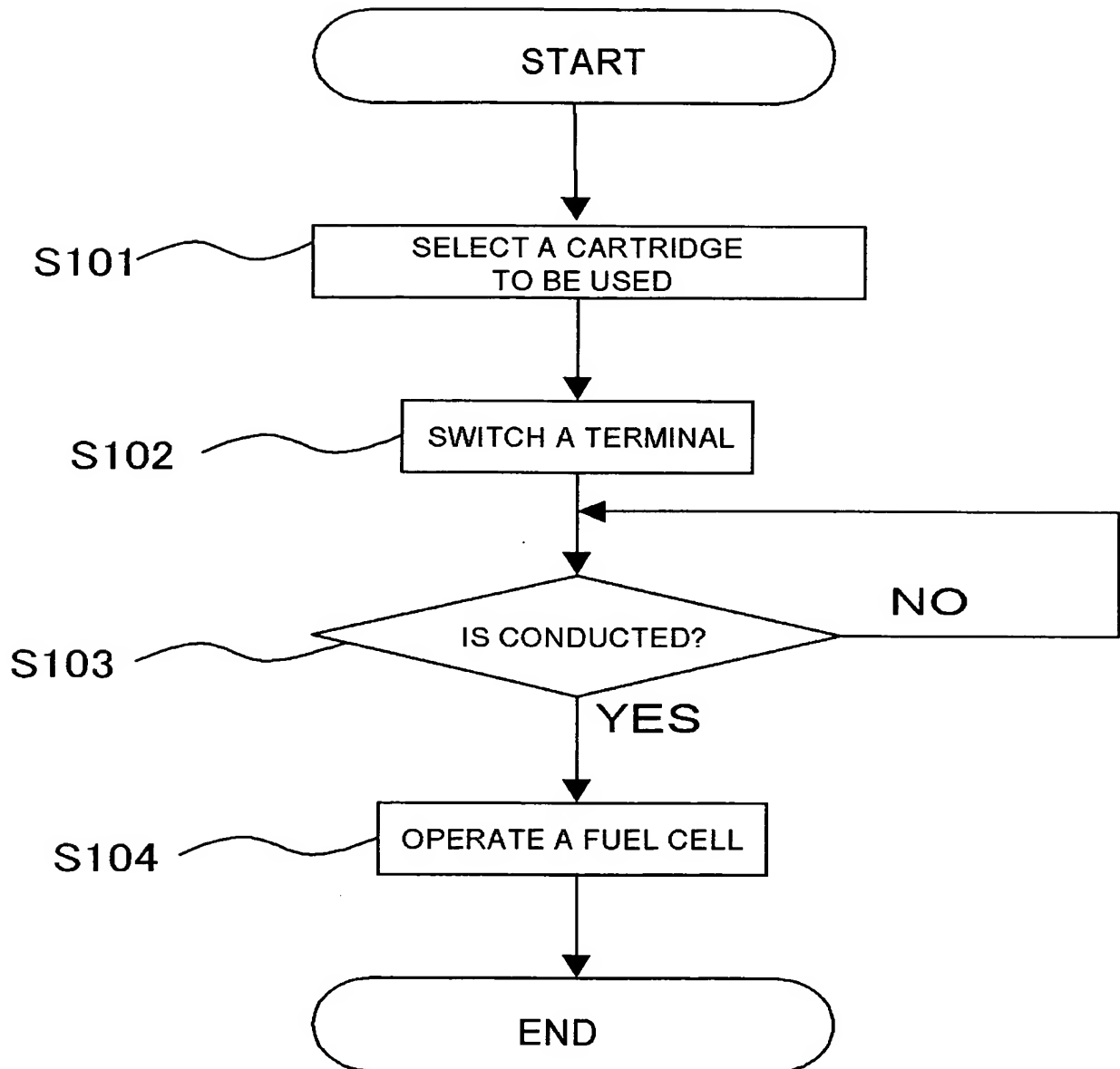


FIG. 26

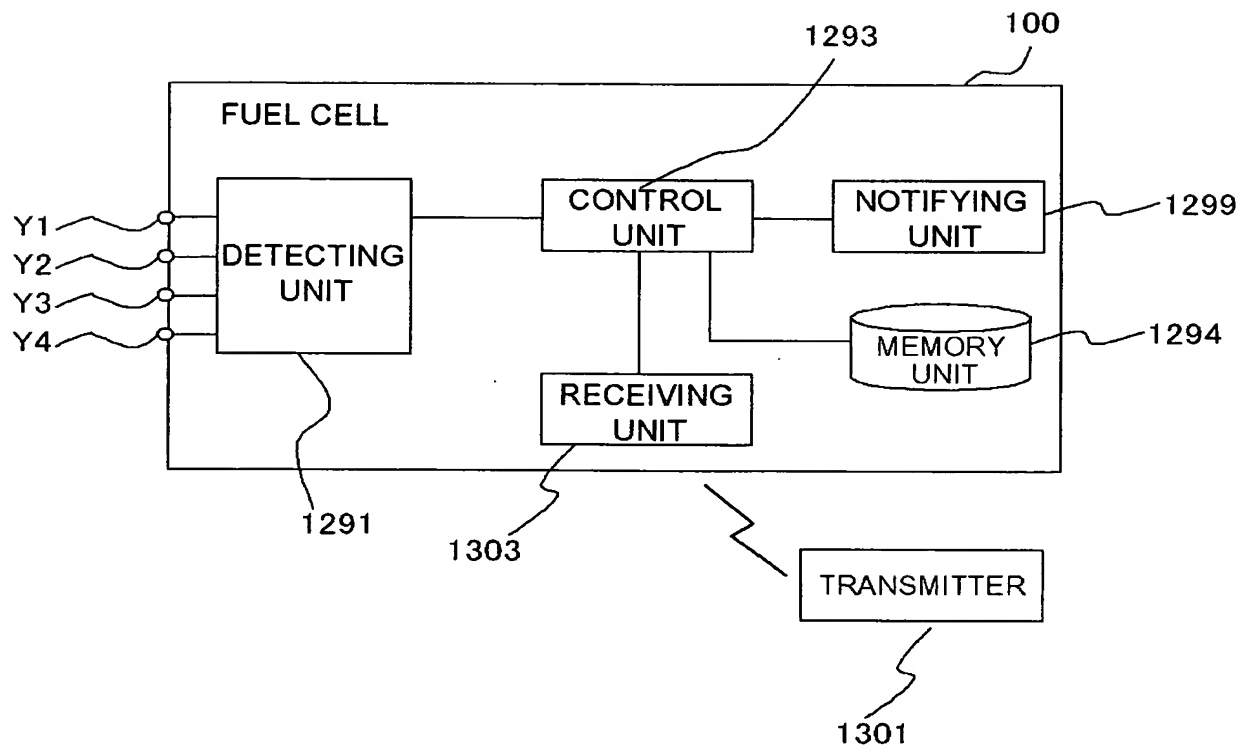


FIG. 27

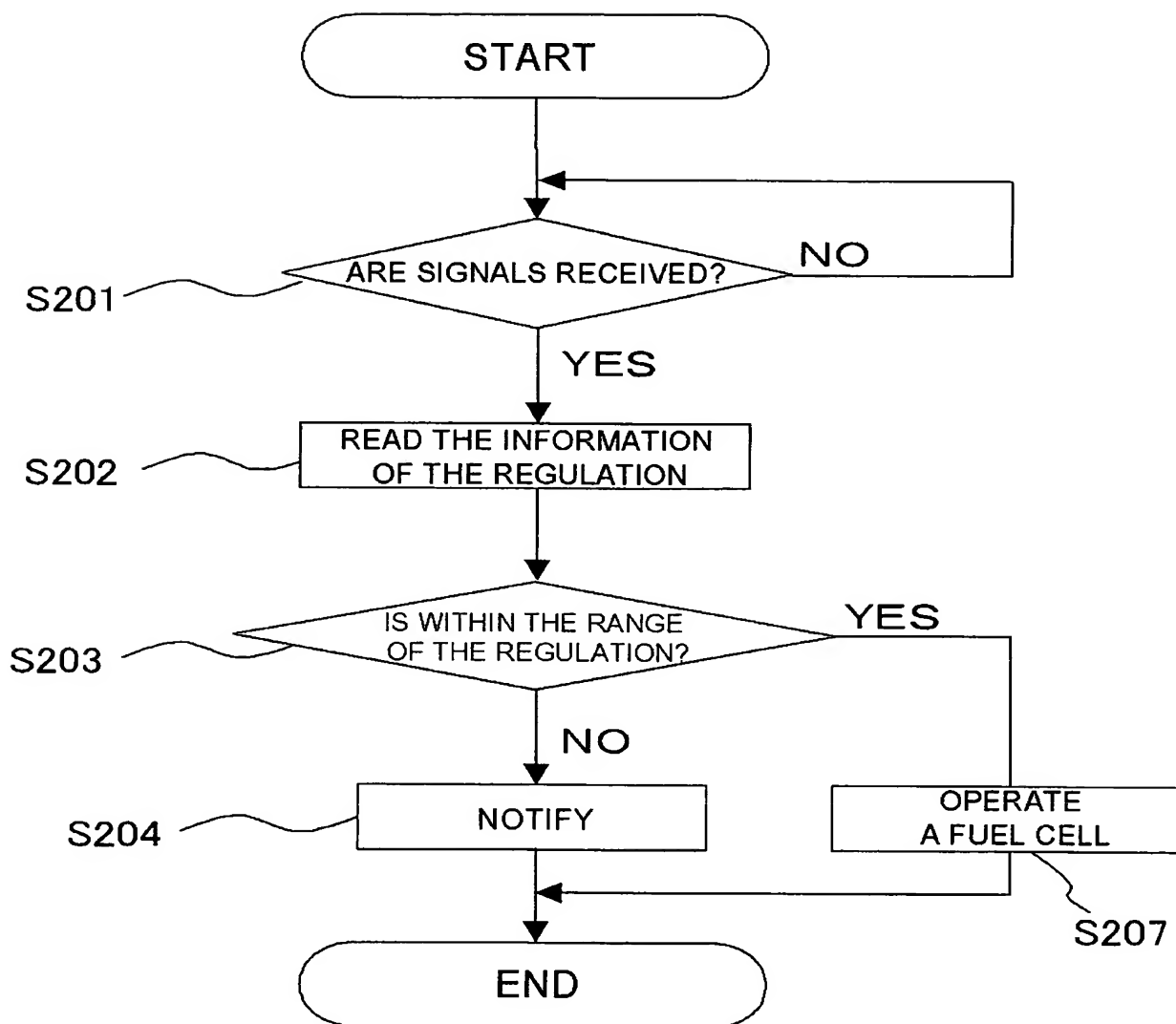


FIG. 28

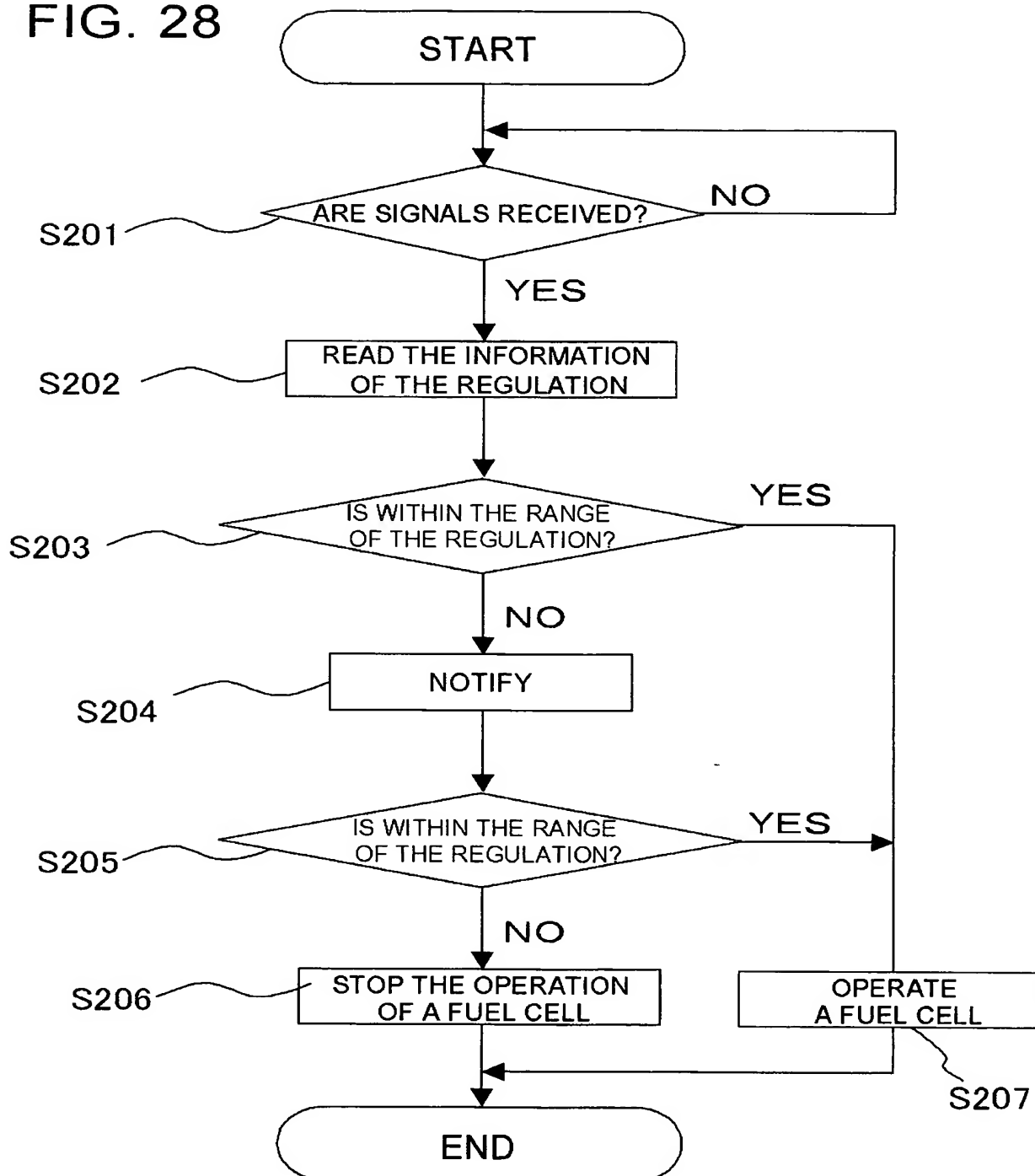


FIG. 29

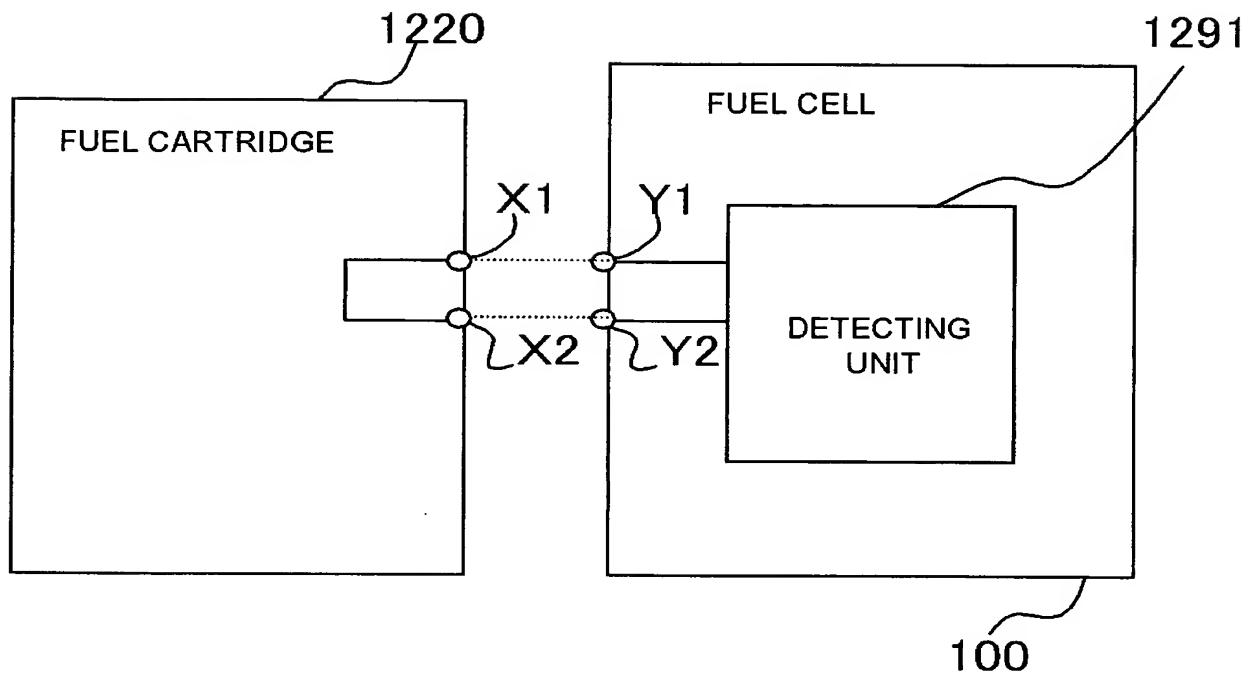


FIG. 30

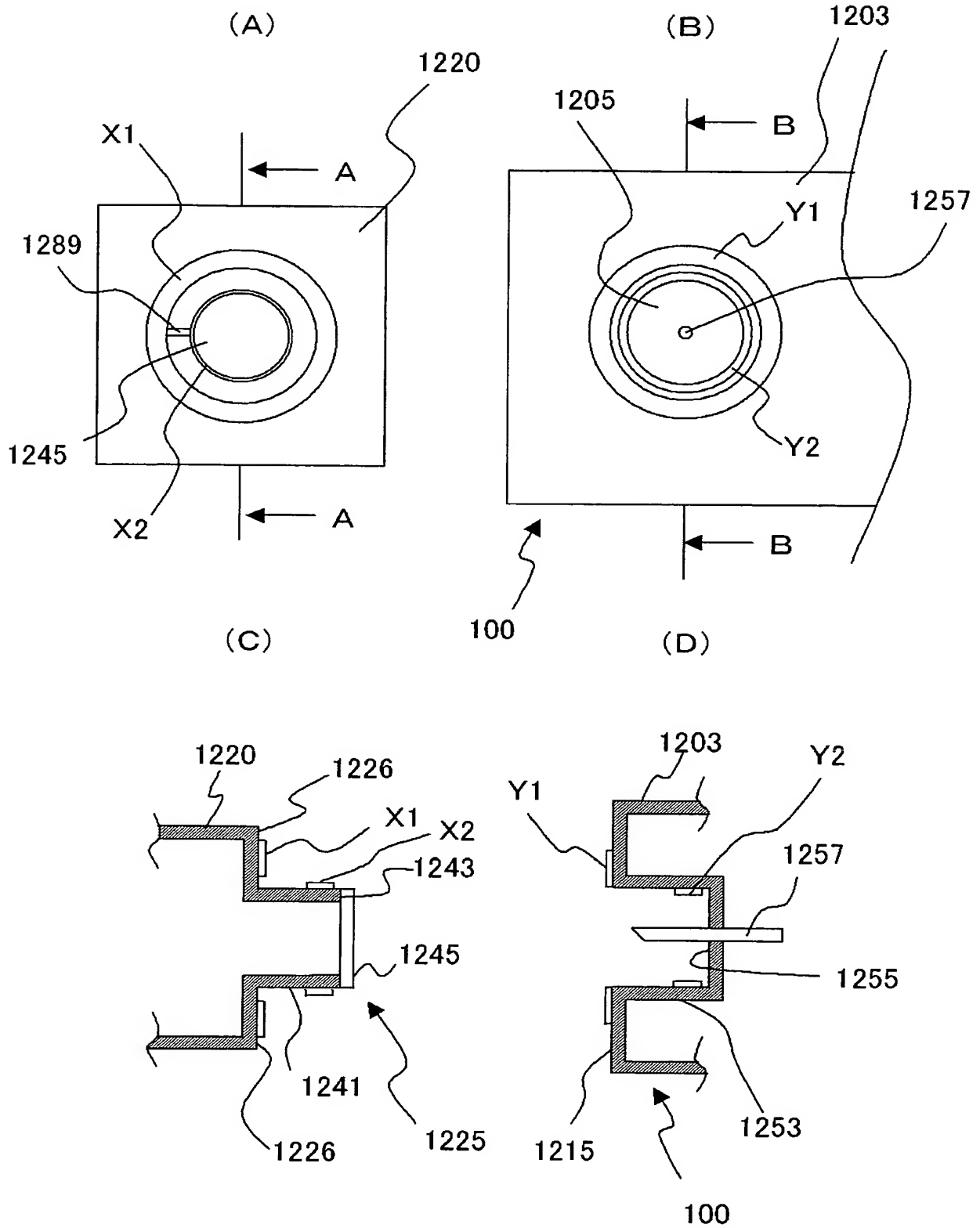


FIG. 31

